



# National Weather Service

## Storm Data and Unusual Weather Phenomena



August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### MINNESOTA, Central and South Central

MNZ041>045-047>070-073>078-082>085-091>093 Douglas - Todd - Morrison - Mille Lacs - Kanabec - Stevens - Pope - Stearns - Benton - Sherburne - Isanti - Chisago - Lac Qui Parle - Swift - Chippewa - Kandiyohi - Meeker - Wright - Hennepin - Anoka - Ramsey - Washington - Yellow Medicine - Renville - Mcleod - Sibley - Carver - Scott - Dakota - Redwood - Brown - Nicollet - Le Sueur - Rice - Goodhue - Watonwan - Blue Earth - Waseca - Steele - Martin - Faribault - Freeborn

01 0000CST 1 0 Excessive Heat  
0800CST

Excessive heat began on July 30 (see July Storm Data) and ended the morning of August 1 when showers and thunderstorms swept through the area, bringing lower temperatures and dewpoints. Until the storms arrived, however, dewpoints remained in the middle and upper 70s overnight on July 31 into August 1, resulting in nighttime heat index values that never dropped below 80 in many locales, including Minneapolis-St. Paul. Since maximum temperatures on the 1st only reached the 80s, and dewpoints dropped into the lower 70s during the afternoon, heat index values only reached the middle 80s to lower 90s on the afternoon and evening of August 1.

Korey Stringer, a professional football player for the Minnesota Vikings of the NFL, collapsed on the football field around midday on July 31 in Mankato and was taken to the hospital. Mr. Stringer died early on August 1 thus his fatality is listed with August. See July Storm Data for a summary of the excessive heat July 30 and 31. M27BF

### Wright County Maple Lake

01 0830CST 0 0 25K Thunderstorm Wind (E55)

An isolated microburst hit the Maple Lake area when scattered thunderstorms rolled through central Minnesota. Winds lifted and overturned a construction trailer at Holy Cross Church. One man inside the trailer escaped without any injuries. The church was untouched.

MNZ041>045-047>070-073>078-082>085-091>093 Douglas - Todd - Morrison - Mille Lacs - Kanabec - Stevens - Pope - Stearns - Benton - Sherburne - Isanti - Chisago - Lac Qui Parle - Swift - Chippewa - Kandiyohi - Meeker - Wright - Hennepin - Anoka - Ramsey - Washington - Yellow Medicine - Renville - Mcleod - Sibley - Carver - Scott - Dakota - Redwood - Brown - Nicollet - Le Sueur - Rice - Goodhue - Watonwan - Blue Earth - Waseca - Steele - Martin - Faribault - Freeborn

04 1200CST 5 0 Excessive Heat  
08 1800CST

An extensive heat wave persisted for five days and resulted in five fatalities in Minneapolis and its suburbs. All deaths occurred in Hennepin County and were determined by the county medical examiner. Three of the victims had been on medications at the time

Hot weather and tropical-like humidity pervaded the region, as virtually all stations registered highs in the 90s all five days. Most locales noted highs in the middle and upper 90s, but there were two places which topped out in triple digits: Santiago (Sherburne County) reached 100 on August 5, and Granite Falls (Yellow Medicine County) saw 100 on August 6. Minneapolis-St. Paul (MSP) reached 98 or 99 three straight days (August 5-7) when highs were 98, 99 and 98 respectively; the highs at MSP on August 6 and August 7 set records. Record low minima at MSP were also established three straight days: on August 6 when the low was only 80, on August 7 when the low was only 76, and again August 8 when the low only dropped to 77. A record high was also set August 6 in St. Cloud (STC) when the high reached 98.

Meanwhile, dewpoints were in the 70s regionwide, and occasionally the low 80s. Heat indexes exceeded 100 most every day at most every location. A few noteworthy heat indexes, including the highest known value for each day, are  
August 4 - 110 at Morris (Stevens County), 107 at Redwood Falls (Redwood County), and 102 at MSP.

August 5 - 114 at Alexandria (Douglas County) and Morris (Stevens County), 110 at Maple Lake (Wright County) and Montevideo (Chippewa County), and 107 at Mankato (Blue Earth County) and at MSP.

August 6 - 118 at Rush City (Chisago County), 114 at Redwood Falls (Redwood County), 110 at Faribault (Rice County), and 109 at MSP.

August 7 - 117 at Morris (Stevens County), 116 at Redwood Falls (Redwood County), 109 at MSP, and 107 at Staples (Todd County).

August 8 - 102 at Little Falls (Morrison County) and Staples (Todd County), 100 at Appleton (Swift County), and 95 at MSP. F74PH, M72PH, F43PH, M46PH, F88PH



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### MINNESOTA, Central and South Central

#### Chippewa County

9 N Montevideo to 6 N Montevideo	17	1650CST			0	0	15K		Hail(1.75)
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Hail chipped and dented buildings and vehicles.

#### Chippewa County

Asbury	17	1720CST			0	0			Hail(1.00)
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#### Renville County

4 N Minnesota Falls	17	1720CST			0	0			Hail(0.75)
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#### Yellow Medicine County

5 S Wood Lake	17	1730CST			0	0			Hail(0.75)
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#### Douglas County

4 NW Evansville	17	1735CST			0	0			Hail(0.75)
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#### Todd County

Clarissa	17	1800CST			0	0			Hail(0.75)
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#### Redwood County

Belview to 7 N Wabasso	17	1815CST 1825CST			0	0	25K		Hail(2.75)
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Numerous vehicles dented. Hail ripped through a few tin buildings.

#### Renville County

Bechyn	17	1835CST			0	0			Hail(0.75)
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#### Todd County

Grey Eagle	17	1840CST			0	0			Hail(0.75)
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#### Pope County

3 N Sedan	17	1856CST			0	0			Hail(0.75)
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#### Morrison County

Flensburg	17	1910CST			0	0			Hail(0.75)
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#### Kandiyohi County

New London	17	1926CST			0	0			Hail(0.75)
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#### Stearns County

Sartell	17	1935CST			0	0			Hail(0.75)
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#### Brown County

Springfield	17	1957CST			0	0			Hail(0.88)
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#### Stearns County

Richmond	17	2004CST			0	0			Hail(1.00)
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#### Sherburne County

5 N Clear Lake	26	2000CST			0	0			Hail(0.75)
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#### Anoka County

St Francis	26	2100CST			0	0			Hail(0.75)
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#### Stevens County

3 N Chokio	29	1705CST			0	0			Hail(1.00)
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#### Lac Qui Parle County

Madison	29	1707CST			0	0	20K		Thunderstorm Wind (E55)
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Numerous trees down, especially on south side of town. Few grain bins blown over. Tree fell on the roof of county museum

#### Lac Qui Parle County

Madison	29	1720CST			0	0			Hail(1.75)
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#### Stevens County

Chokio	29	1725CST			0	0			Hail(0.75)
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### MINNESOTA, Central and South Central

<b>Stevens County</b>									
10 S Chokio	29	1726CST			0	0			Hail(1.75)
<b>Douglas County</b>									
Miltona	29	1813CST			0	0			Hail(1.75)
<b>Douglas County</b>									
3 SE Miltona	29	1820CST			0	0			Hail(1.25)
<b>Swift County</b>									
5 W Benson	29	1840CST			0	0			Hail(1.00)
<b>Todd County</b>									
Eagle Bend	29	1845CST			0	0	10K		Thunderstorm Wind (E55)
Large tree toppled, crashed through residential roof.									
<b>Swift County</b>									
Clontarf	29	1905CST			0	0			Hail(1.50)
<b>Swift County</b>									
5 E De Graff	29	1908CST			0	0			Hail(1.75)
<b>Carver County</b>									
Bongards	29	2115CST			0	0			Thunderstorm Wind (E60)
Tractor trailer blown over on Hwy. 212.									
<b>Scott County</b>									
5 S Blakeley	29	2118CST			0	0			Thunderstorm Wind (E60)
Large tree blown onto Hwy 19.									

### WISCONSIN, West

<b>WIZ014&gt;016-023&gt;028</b>	<b>Polk - Barron - Rusk - St. Croix - Pierce - Dunn - Pepin - Chippewa - Eau Claire</b>								
01	0000CST				0	0			Excessive Heat
	0800CST								

Excessive heat began on July 31 (see July Storm Data) and ended the morning of August 1 when showers and thunderstorms swept through the area, bringing lower temperatures and dewpoints. Until the storms arrived, however, dewpoints remained in the middle 70s overnight on July 31 into August 1, resulting in nighttime heat index values that never dropped below 80 in many locales. Since maximum temperatures on the 1st only reached the 80s, and dewpoints dropped into the lower 70s during the afternoon, heat index values were only in the 80s on the afternoon and evening of August 1.

<b>Chippewa County</b>									
Countywide	01	0800CST			0	0	50K		Flash Flood
		1300CST							
<b>Dunn County</b>									
Countywide	01	0800CST			0	0	50K		Flash Flood
		1300CST							
<b>St. Croix County</b>									
Countywide	01	0800CST			0	0	200K		Flash Flood
		1300CST							

Heavy rain fell across much of St. Croix, Dunn and Chippewa Counties, with the heaviest rainfall (four inches or more) in a swath from New Richmond (St. Croix County) to Stanley (Chippewa County). Water was several feet deep over many state and local roads. A few roads near Forest and Glenwood City (St. Croix County) washed out, while dozens of others sustained significant damage to shoulders and culverts. A few farmers registered unofficial rainfall totals around 7 inches, but the greatest total from the cooperative observing network was 4.41 inches in Stanley (Chippewa County)



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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

### WISCONSIN, West

WIZ014>016-023>028

**Polk - Barron - Rusk - St. Croix - Pierce - Dunn - Pepin - Chippewa - Eau Claire**

**04 1200CST**  
**08 1800CST**

**0 0**

**Excessive Heat**

An extensive heat wave persisted for five days. Hot weather and tropical-like humidity pervaded the region, as virtually all stations registered highs in the 90s all five days. Most locales noted highs in the middle 90s. The two places that came closest to triple digits were St. Croix Falls (Polk County), which saw 99 degrees on August 5, and Hager City (Pierce County), which registered 98, also on August 5. A record low minimum was established at Eau Claire on August 6, when the low was only 78. Meanwhile, dewpoints were in the 70s regionwide, and occasionally the low 80s

A few noteworthy heat indexes, including the highest known value for each day, are:

August 4 - 103 at Rice Lake (Barron County) and 102 at Osceola (Polk County).

August 5 - 110 at Osceola (Polk County), 108 at Rice Lake (Barron County) and Eau Claire (Eau Claire County).

August 6 - 114 at Osceola (Polk County), 113 at Rice Lake (Barron County), 112 at Hager City (Pierce County), and 111 at Augusta (Eau Claire County).

August 7 - 108 at Osceola (Polk County), 105 at Hager City (Pierce County), and 103 at Augusta (Eau Claire County).

August 8 - 102 at Osceola (Polk County), 98 at Rice Lake (Barron County), and 96 at Augusta (Eau Claire County)

### **Barron County**

**Haugen**

**26 2050CST**

**0 0**

**Hail(0.88)**